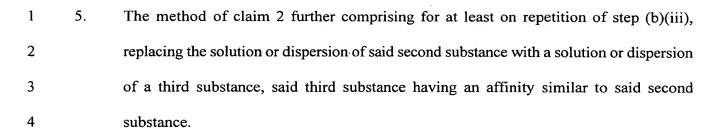
WHAT IS CLAIMED IS:

1	1.	A method for the assembly of a thin film comprising the steps of:
2		(a) applying a substrate to a support surface;
3		(b) forming a thin film upon said substrate by the substeps of:
4		(i) immersing said substrate in a first aqueous solution or dispersion of a first
5		substance, said first substance having an affinity for said substrate;
6		(ii) rinsing said substrate with neat solvent;
7		(iii) immersing said substrate in a second solution or dispersion of a second
8		substance, said second substance having an affinity for said first
[] [] 9		substance; and
(1) -10 -1		(iv) rinsing said substrate with neat solvent;
		(d) removing said substrate together with said thin film from said support; and
12		(e) separating said substrate from said thin film.
11) 1-11	2.	The method of claim 1 further including the additional step of:
L) }≕ 2		(b)(v) repeating steps (b)(i) through (b)(iv) a predetermined number of times.
1	3.	The method of claim 2 further comprising for at least on repetition of step (b)(i),
2		replacing the solution or dispersion of said first substance with a solution or dispersion
3		of a third substance, said third substance having an affinity similar to said first substance.
1	4.	The method of claim 3 wherein for at least one repetition of step (b)(i), said solution or
2		dispersion of a substance is of a biological compound.



- 1 6. The method of claim 5 wherein for at least one repetition of step (c)(iii), said solution or dispersion of a substance is of a biological compound.
- 7. The method of claim 2 further comprising substituting for at least one repetition of step

 (c)(i) or (c)(iii), a solution or dispersion of a structural stabilizing material.
 - 8. A thin film constructed according to the method of claim 1.